

PRACTICAL : 5

Theory: Introduction to AI Image Generators

1. 1. What are AI Image Generators?

AI Image Generators are models that create images from textual descriptions using deep learning techniques. These tools can generate photorealistic, abstract, or stylized visuals based on the user's prompts.

1.2 Popular AI Image Tools

- DALL·E (by OpenAI)
- Midjourney
- Stable Diffusion
- Leonardo AI
- Canva AI
- Adobe Firefly

1. 3. Applications

- Advertising and Marketing
- Book and Game Illustration
- Content Creation
- Branding and Logo Design
- Education and Storytelling

1.4 Limitations & Ethical Concerns

- Difficulty with text generation inside images
- Inaccuracy in human anatomy
- Potential misuse in misinformation

- Copyright and bias issues

Task 1 - Comparative research (DALL·E 3 vs Midjourney)

Image quality

- Midjourney: highly polished, photoreal and cinematic looks; tuned with rich upscalers and variation tools in Discord/Web. [Midjourney+2](#)
- DALL·E 3: strong realism and clean rendering; integrated editing inside ChatGPT. [OpenAI+1](#)

Prompt accuracy

- DALL·E 3: strong literal adherence and compositional control from natural-language prompts. [OpenAIWIRED](#)
- Midjourney: excels at aesthetics; may need prompt tuning and parameters for fine control. [Midjourney+1](#)

Style flexibility

- Midjourney: rich parameter set and workflows in Discord/Web; fast exploration of styles and variations. [Midjourney+1](#)
- DALL·E 3: conversational edits and refinements directly in chat. [OpenAI](#)

Usability

- DALL·E 3: generate and iterate inside ChatGPT; no extra accounts or bots. [OpenAI](#)
- Midjourney: works via Discord bot and a web “Create” page; requires joining and using /imagine. [Midjourney+1](#)

Licensing & terms (commercial use basics)

- DALL·E: OpenAI assigns output ownership to the user, subject to terms and law. [OpenAI](#)
- Midjourney: commercial use tied to having a paid membership when the asset was made. [MidjourneyLaw Stack Exchange](#)

Bottom line

- Need quick, literal results and chat-native edits → use DALL·E 3. [OpenAI+1](#)
- Want maximum “wow” visuals and advanced style controls → use Midjourney. [Midjourney+1](#)

Task 2 -Visual story with 3 images

Theme: “**Moonlit Steampunk City**”

Prompts below are already optimized; images follow.

1. Wide establishing shot

“Ultra-detailed steampunk city at night under a bright full moon; skyline of brass towers, clockwork bridges, and domed observatories; several airships drift between buildings; glowing lanterns, light fog, cinematic depth, sharp focus, 1024×1024.”



2. Street-level character moment

"Close street scene in the same city; a young inventor with copper goggles holds a small clockwork glider; shop windows with gears and valves; warm lantern light against cold moonlight; shallow depth of field, realistic skin and fabric, 1024×1024."



3. Rooftop climax

"Rooftop overlooking the city; the inventor launches the glider as two airships pass overhead; wind-blown coat, moon halos, lantern trails across the sky; dynamic composition, crisp detail, 1024×1024."



